



PATENT
41982/B600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent No. : 6,904,082 *B2*
Issued : June 7, 2005
Inventor(s) : David Jones
Application No. : 09/819,864
Filed : March 28, 2001
Title : DSL RATE ADAPTATION

Confirmation No. 4960

Certificate
JAN 31 2006
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION

Office of Certificates of Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

P. O. Box 7068
Pasadena, CA 91109-7068
January 25, 2006

Commissioner:

Submitted herewith are two copies of a proposed Certificate of Correction for the above-referenced patent. The errors are identified in detail in the proposed certificate, and the corresponding text in the application is located as follows:

Location in Patent

Location in Application

PTO errors:

In the Claims

Column 33, line 16, Claim 5

Amendment dated Nov. 24, 2004, pg. 3, Old Claim 8, line 2

Applicant errors:

In the Drawings

FIG. 8, Sheet 8 of 21

Informal Drawings as Filed, FIG. 8

FIG. 24, Sheet 20 of 21
Row 4, Column 4
Row 5, Column 4

Informal Drawings as Filed, FIG. 24

FIG. 25, Sheet 21 of 21
Row 2, Column 5
Row 4, Column 5

Informal Drawings as filed, FIG. 25

01/30/2006 BABRAHA1 00000024 6904082

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: Jan 25, 2006
(Date of Deposit)

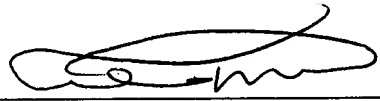
U.S. Patent No. 6,904,082 B2

Applicant(s) errors were unintentional and inadvertent, and were made in good faith through oversight. Correction is accordingly requested under 35 U.S.C. § 255, and our check for the \$100 statutory fee is enclosed. Any deficiency or overpayment should be charged or credited to Deposit Account No. 03-1728. Please show our docket number with any credit or charge to our Deposit Account.

Correction of applicant(s) errors does not constitute new matter or require reexamination. Approval of this certificate is respectfully requested

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 
Raymond R. Tabandeh
Reg. No. 43,945
626/795-9900

RRT/clv

Enclosures: Certificate of Correction (2)
Check \$100
CLV PAS658119.1-* -12/19/05 3:23 PM

JAN 31 2006

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,904,082 *B2*
 DATED : Jun. 7, 2005
 INVENTOR(S) : Jones

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Column 33, line 16, Claim 5

Delete ", "

In the Drawings

FIG. 8, Sheet 8 of 21

Delete Drawing Sheet 8 and substitute therefore the Drawing Sheet, consisting of Fig. 8, as shown on the attached page

FIG. 24, Sheet 20 of 21
 Row 4, Column 4
 Row 5, Column 4

Delete Drawing Sheet 20 and substitute therefore the Drawing Sheet, consisting of Figs. 23 & 24, as shown on the attached page

FIG. 25, Sheet 21 of 21
 Row 2, Column 5
 Row 4, Column 5

Delete Drawing Sheet 21 and substitute therefore the Drawing Sheet, consisting of Fig. 25, as shown on the attached page

MAILING ADDRESS OF SENDER:

CHRISTIE, PARKER & HALE, LLP.
 P.O. Box 7068
 Pasadena, California 91109-7068

PATENT NO. 6,904,082

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 31 2005



FIG.8

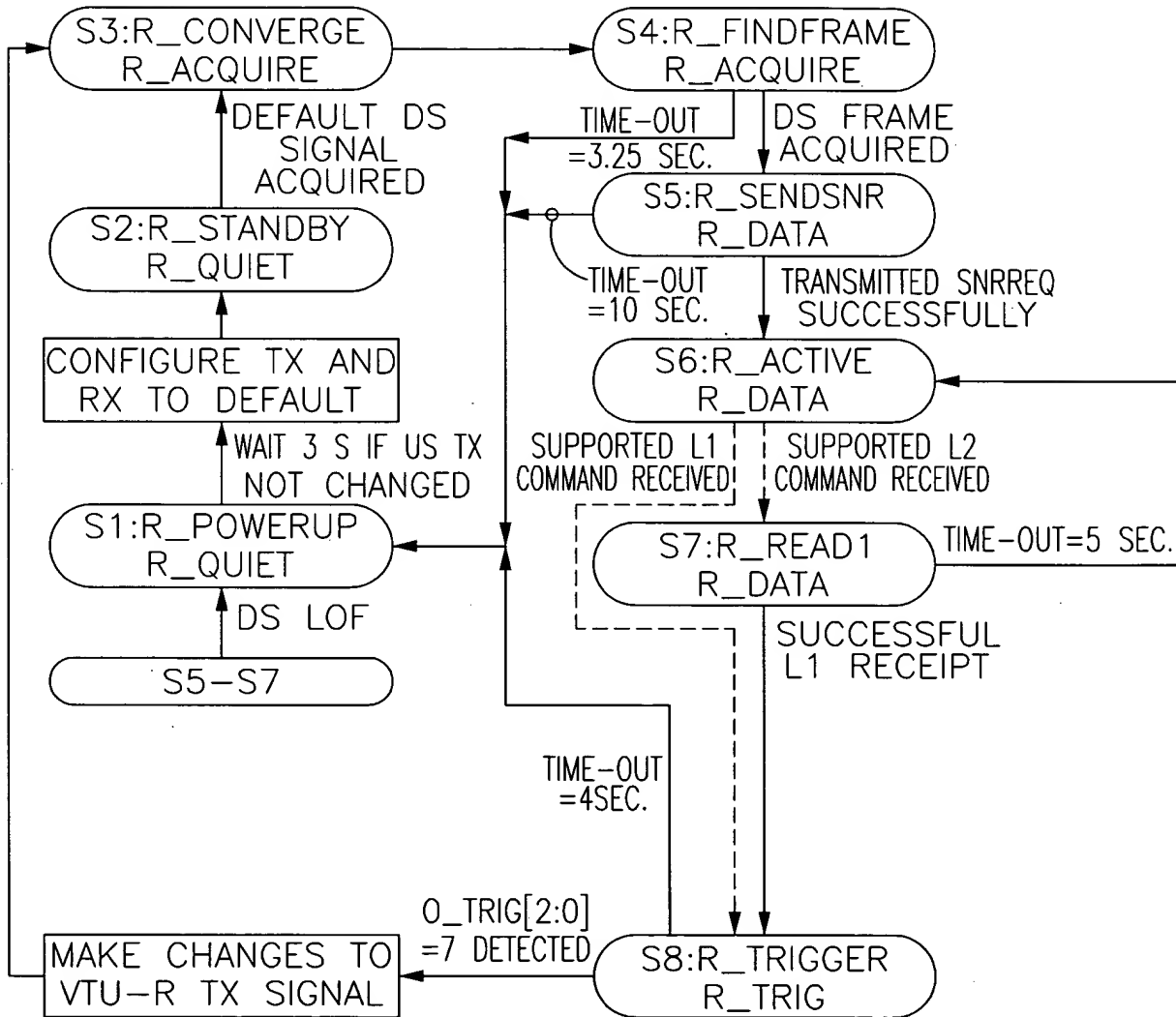


FIG.23

| MESSAGE NAME | MESSAGE TYPE | OPCODE FIELD | DATA FIELD | DESCRIPTION |
|--------------|--------------|--------------|-------------------------------|--------------------------|
| IDLE | STATUS | 0xFF | 0x00 | EOC TRANSPORT |
| UTC | ECHO | 0xF0 | SAME AS MESSAGED BEING UTC'ED | UNABLE TO COMPLY MESSAGE |

FIG.24

| MESSAGE NAME | MESSAGE TYPE | OPCODE FIELD | DATA FIELD | DESCRIPTION |
|--------------|--------------------------|--------------|---|---|
| SNRREQ | COMMAND (READ) AND ECHO | 0x01 | 2 MSBs=DS CHANNEL #; 9 LSBs = COMMAND:ALL ZEROS. ECHO: SPECIFIED DS CHANNEL SNR IN dB, LSB WEIGHT=1/8 dB | REQUEST THAT VTU-R SEND SNR DATA IN THE RETURN DATA FIELD |
| THRPUT | COMMAND (WRITE) AND ECHO | 0x03 | CODED TO CONVEY FINAL SELECTED TRANSMISSION PARAMETERS TO VTU-R | INDICATION TO VTU-R THAT RATE ADAPTIVE STARTUP IS COMPLETE. |
| CORERREQ | COMMAND (READ) AND ECHO | 0x05 | COMMAND:ALL ZEROS ECHO:EXPECT VTU-R'S CORERR DATA AS UNSIGNED INTEGER=# OF ERRORS(SATURATES AT 65,535) | REQUEST THAT VTU-R SEND NUMBER OF ERRORS CORRECTED BY RS IN THE RETURN DATA FIELD SINCE THE LAST CORERREQ |
| UCERREQ | COMMAND (READ) AND ECHO | 0x07 | COMMAND:ALL ZEROS ECHO:EXPECT VTU-R'S UCERR DATA AS UNSIGNED INTEGER=# OF ERRORS(SATURATES AT 65,535) | REQUEST THAT VTU-R SEND NUMBER OF UNCORRECTABLE RS BLOCKS IN THE RETURN DATA FIELD SINCE LAST UCERREQ |

FIG.25

| MESSAGE NAME | MESSAGE TYPE | L1/L2 CLASS | OPCODE FIELD | DATA FIELD | DESCRIPTION |
|--------------|--------------------------|-------------|--------------|--|--|
| D_CONST | COMMAND (WRITE) AND ECHO | L1 | 0x28 | 2 MSBs CHANNEL #; 6 LSBs = LOG2 (CONSTEL. SIZE) | REQUEST THAT SPECIFIED DS CHAN.# CONSTEL. BE CHANGED |
| D_NOM | COMMAND (WRITE) AND ECHO | L1 | 0x34 | INDICATES WHICH NOMINAL DS SYMBOL RATE AND CENTER FREQ. SET TO USE | SELECT NOMINAL DS SYMBOL RATE AND CENTER FREQUENCY INDICATED IN DATA FIELD |
| U_CONST | COMMAND (WRITE) AND ECHO | L1 | 0x98 | 2 MSBs=US CHANNEL#; 6 LSBs=LOG2 (CONSTEL.SIZE) | REQUEST THAT SPECIFIED US CHAN.# CONSTEL. BE CHANGED |
| U_NOM | COMMAND (WRITE) AND ECHO | L1 | 0xA4 | INDICATES WHICH NOMINAL US SYMBOL RATE AND CENTER FREQ. SET TO USE | SELECT NOMINAL US SYMBOL RATE AND CENTER FREQUENCY INDICATED IN DATA FIELD |